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6. Yunitshin, R. V., Prof., Day and Night, Seasons of the Year, 42 pp, 13 figures. Scientific-Popular Library, Armgiz, Yerevan, 1948, 2 rubles, 3,000 copies (in Armenian).

7. Maksturov, D. D., Preparations and Analysis of Astronomical Optics, 280 pp, 122 figures. OGIZ State Publishing House of Technical and Theoretical Literature, L-M, 1948, 13 rubles, binding 2 rubles. 5,000 copies.

This scientific monograph treats only a part of the problems connected with the technology of preparing astronomical experiments. Author describes only that method which he himself uses and considers most efficient for preparation of first-class, large lenses.

8. Parenago, P. P., Dr Physicomath Sci, Prof., What Takes Place on the Sun's Surface, a verbatim report of public lectures given at the Central Lecture Society in Moscow, 20 pp, eight figures. All-Union Society for Dissemination of Political and Scientific Knowledge, Pravda Publishing House, M, 1948, 60 rubles, 55,000 copies.

9. Collection of Scientific and Technical Articles on Geodesy, Cartography, Topography, Aerial Photography and Gravimetry, edited by S. G. Sudakov. Main Administration of Geodesy and Cartography under Soviet of Ministers USSR, published by Geodetic and Cartographic Literature GUCK under Soviet of Ministers USSR, M, 1948, 2,500 copies.

a. Issue XVI, 89 pp with figures and two diagrams, 10 rubles (paper back). Contents: Izotov, A. A., Cand Tech Sci, Accuracy of Astronomical Determinations of Triangulation Points (3-8); Prof F. V. Erobyshv, Dr Tech Sci, Rule for Reducing Phototriangulations (8-9); A. I. Frolov, Influence of the Vertical Temperature Gradient on Determination of the Gravitational Force by a Free Bob (9-22); D. I. Smirnov, Dash Representation of Relief on Maps (22-23); V. A. Kazinskiy, Cand Tech Sci, The History of Gravimetric Measurements in Russia (23-27); Asst Prof K. N. Gertsenova, Cand Tech Sci, Interpolation of Rare Indices of the Water Horizon as a Method of Developing the Elevation of the Base (27-36); Prof G. H. Cherdantsev, Importance of Economic Divisions in Cartography (37-39); M. V. Avilovi, Engr, Asst Prof, and K. N. Gertsenova, Cand Tech Sci, Accuracy of Calculations of Data for Adjusting Drawing Instruments (39-44); Asst Prof E. Kovalev, Cand Tech Sci, Sci Asst, Academy of Sciences Belorussian SSR, Problem of High-Precision Line Measurements During Low and Negative Temperatures (44-57); N. S. Podobedov, Engr, Establishment of Geographical Labors in Aerogeodetic Enterprises for Mapping Unexplored and Little-Explored Regions (57-69) and Outline of the General Administration of the Basic Leveling Network of the USSR (69-78); Official Department (79-85); News Items (86-88).

b. Issue XVII, 80 pp with figures, 10 rubles (paper cover). Contents: S. G. Sudakov, Introduction of a Single System of Geodetic Coordinates and Altitudes in the Territories of the USSR (5-21); A. A. Izotov, New Original Geodetic Data on the USSR (22-36); A. M. Virovets, Equalization of the Basic Leveling Network of the USSR (36-44); A. V. Rytov, Recalculation of Triangulations of Classes II, III and IV in the 1942 Coordinate System (44-49); Yu. D. Bulanzhe, Fourth All-Union Conference on Gravimetry (49-65); M. S. Molodenskiy, Works of A. A. Mikhaylov in Gravimetry and Geomorphology (65-70); V. F. Pavlov, New Features in Maps of the Verkhoyansk Region (70-80).

10. Works of the Conference on Methods of Studying the Movements and Deformation of the Earth's Crust, edited by Professors V. V. Belousov and V. V. Danilov, 263 pp with figures in the text, four enclosures. Academy of Sciences USSR (Geodetic Institute), Chief Director of Geodesy and Cartography under Soviet of Ministers USSR (Central Scientific Research Institute of Geodesy, Aerial Photography, and Cartography). Published by Geodetic and Cartographic Literature GUCK under Soviet of Ministers USSR, M, 1948, 36 rubles (bound), 500 copies.

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Articles include: A. A. Izotov, Cand Tech Sci, Prospects for Studying Present Movements of the Earth's Crust by Geodetic Methods (91-107); Prof V. V. Danilov, Dr Tech Sci, Some Results of Geodetic Measurements of Surface Deformations of the Earth in Foreign Countries (108-119); Asst Prof V. P. Shcheglov, Worldwide Determinations of Longitude as a Method of Studying the Movement of Materials (120-142); Acad A. Ya. Orlov, Changes in Batavia's Latitude on the Island of Java (143-148); Z. N. Aksent'yeva, Results of Eleven Years of Observations of the Earth Tide M, With the Help of Horizontal Bobs in Poltava, 1930-1941 (149-156); N. N. Pariyskiy, Cand Physicomath Sci, Earth's Variable Rotation and Deformation (157-174); Yu. D. Bulanzhe, Cand Physicomath Sci, Ancient Changes in the Force of Gravity (175-182); V. A. Magnitskiy, Cand Tech Sci, Geodetic Data and Status of the Substance of Upper Layers of the Earth (198-232).

20. Advances in the Astronomical Sciences, Vol IV edited by Acad V. G. Fesenkov, 288 pp with figures. Published by Academy of Sciences USSR, M-L, 1948, 23 rubles (bound), 2,000 copies.

Contents: K. F. Ogorodnikov, Basis of the Dynamics of Rotating Stellar Systems (3-63); P. F. Parenago, Structure of Galaxies (69-171); B. B. Kukarin, Variable Stars (172-287); B. A. Voronov-Vel'yaminov, Diffuse Gaseous Matter (288-256); P. F. Parenago, Scales and Catalogues of Star Sizes (257-287).

21. Fesenkov, V. G., Cosmic Space, 18 pp, five figures. Scientific-Popular Series, published by Academy of Sciences Kazakh SSR, Alma-Ata, 1948, 2 rubles, 2,000 copies.

22. Khvostikov, I. A., Glow of the Night Sky, 2d Edition supplemented, edited by Acad S. I. Vavilov, 496 pp, 188 figures. Scientific-Popular Series, published by Academy of Sciences, M-L, 1948, 27 rubles (bound), 4,000 copies.

In this scientific monograph, author attempts to set forth all the basic material on night-sky glow and its problems. Contents (by chapters): I. Polar Glow (7-47); II. Brightness of the Night Sky (48-61); III. The Green Line (62-82); IV. Brightness Spectra of the Night Sky and Polar Glow (83-140); V. Discussion of the Nitrogen Atom. Forbidden Lines in Atmospheric Emission (141-162); VI. Infrared Emissions of the Night Sky (163-175); VII. Brightness of the Crepuscular Sky (176-213); VIII. Sodium in High Layers of the Atmosphere (214-276); IX. Photometric Analysis of the Brightness of the Night Sky (277-361); X. Polarization of the Brightness of the Night Sky (362-380); XI. Theory of the Brightness of the Night Sky (381-470).

23. Eygenson, M. S., Gnevyshev, M. N., Ol', A. E., and Rubashev, B. M., Solar Activity and Its Earthly Phenomena, edited by M. S. Eygenson, 323 pp, 111 figures. OGIZ State Publishing House of Technical and Theoretical Literature, M-L, 1948, 14 rubles (bound 2 rubles) 4,000 copies.

Scientific monograph designed for astronomers, geophysicists, and investigators of radio-wave propagation. Contents: Part 1. Solar Activity (11-100); I. Forms of Solar Activity (11-35); II. Cyclical Changes in Solar Activity (36-60); III. Impulses of Solar Activity (61-81); IV. Geo-Activity of the Sun (82-100); Part 2. Solar Activity and Processes in the Ionosphere (101-155); I. The Undisturbed Ionosphere (101-120); II. Disturbances in the Ionosphere Caused by Rises in Intensity of Solar Ultraviolet Emissions (121-139); III. Disturbances in the Atmosphere Caused by the Reaction of the Sun's Corpuscular Radiation (140-155); Part 3. Solar Activity and Terrestrial Magnetism (156-259); I. Changes in the Geomagnetic Field Caused by Undisturbed Solar Emission (156-173); II. Changes in the Geomagnetic Field Caused by Solar Activity (171-211); III. Theory of Magnetic Storms (212-224); IV. New Data on the Nature of Geomagnetic Disturbances (225-259); Part 4. Connection between Solar Activity and Ionospheric Phenomena (260-313); I. The Possibility of the Reaction of Solar Activity in Processes in the Ionosphere (260-291); II. Physicochemical Processes in the Earth's Atmosphere and Their Connection With Solar Activity (282-292); III. New Works on the Problem of the Sun's Troposphere (293-313).

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